Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Monday 28 Dec 2020 until 23:59 on Tuesday 29 Dec 2020

Forecast Issued on Monday 28 Dec 2020 at 04:05

Confidence: High for cold conditions throughout the period but lower confidence for details regarding snow showers.

Headline for Monday 28 Dec 2020: Bright or sunny spells, but cold with a few sleet or snow showers.

Mountain weather hazards on Monday 28 Dec 2020

Blizzards Low Likelihood	**Heavy Snow** Low Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Low Likelihood
Thunderstorms Low Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Light snow	Light snow	Cloudy	Sunny intervals	Partly cloudy (night)	Partly cloudy (night)
Precipitation probability					
60%	40%	20%	10%	10%	10%

Forecast for Monday 28 Dec 2020

Weather: Generally cloudy this morning with snow and sleet down to 300m with some fresh lying snow. Cloud tending to become more broken by afternoon with bright or sunny spells. Cold.

Chance of cloud free mountain/hill tops above 600m: 30% at first with extensive cloud above 500m. Becoming 80% through the morning with cloud lifting and breaking, leaving occasional cloud on the tops in the afternoon.

Visibility: Good or very good, but poor or very poor on high ground in snow showers.

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Forecast for Monday 28 Dec 2020

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	14/20 SE	13/16 E	11/14 NE	9/12 N	10/14 N	13/17 N	12/16 N
300	9/16 SE	7/12 NE	9/12 NE	5/8 N	5/9 N	6/11 N	7/11 NW
Valley	7/14 E	7/15 E	6/11 NE	5/10 N	4/10 N	5/14 N	5/12 NW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	-2/-7	-2/-7	-1/-6	-1/-5	-1/-6	-1/-7	-1/-6
300	1/-4	1/-3	1/-3	2/-1	1/-1	1/-2	0/-3
Valley	1/-2	2/-2	2/-1	2/0	1/-1	1/-2	0/-2
Freezing Level*	300m	300m	300m	400m	400m	300m	300m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

A severe chill is possible over the tops, despite relatively light winds. Fresh lying snow above 300m and icy areas will add extra difficulty to conditions.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Mon 28 Dec 2020	1.8mm	27.2mm	27.4mm

Forecast for Tuesday 29 Dec 2020

Weather: Becoming cloudier overnight with a spell of sleet and snow, but mostly clearing by morning, then a bright day with some sunny spells, but cold with the odd snow shower.

Maximum wind: Northwest 20 gust 30mph, but 25-30 gust 40mph at times over higher tops, especially in or near showers

Chance of cloud free mountain/hill tops above 600m: 30% overnight with quiet extensive cloud down to 400m, then 70% with more broken cloud above 500m

Visibility: Good or very good away from showers, but very poor at height in showers

Temperature: **Valleys:** Minus 1 C to plus 2 C, with frost persisting in some valleys throughout
At 600m: Minus 4 C
Freezing level: 400m

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